



### Abstract of the Disclosure

A method for recording images of small particles to detect cracking includes feeding particle samples to a place for image recording, illumination a particle sample from at least two directions simultaneously, the illumination occurring with different light wavelengths for each direction, recording partial images of the illuminated particles in different channels, which are sensitive to different wavelengths, and comparing the different partial images to analyze the particle sample. Each partial image shows the particle sample illuminated from one direction by the channel recording only one of the different light wavelengths.